

**FUNCTION-BASED PROCESS CONTROL VERIFICATION AND  
SECURITY IN A PROCESS CONTROL SYSTEM**

**ABSTRACT OF THE INVENTION**

A process control system capable of executing a function after initiation  
5 thereof by a user includes a computer having a memory and a processing unit. A  
security module stored in the memory of the computer and adapted to be executed on  
the processing unit of the computer analyzes security information to determine  
whether the function should be executed.. The security information is collected  
contemporaneously with the initiation of the function and in association therewith.

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